

# MOTOR OIL CF-4/SG SAE 30

*Universal mineral oil of high quality, suitable for diesel engines (supercharged or naturally aspirated) and gasoline engines operating in cold climatic conditions.*

## APPLICATIONS

*This oil is particularly recommended for fixed diesel engines, material for public works and mixed fleets of trucks and cars.*

## FEATURES

*Total engine protection : performance in keeping the engine clean.*

## SPECIFICATION LEVEL

<b>ACEA</b>	E2/E1	<b>MIL</b>	MIL-L-2104 E
<b>ALLISON</b>	C4	<b>MIL</b>	MIL-L-46152 E
<b>API</b>	CF-4/SG	<b>MTU</b>	Oil Category 1
<b>CATERPILLAR</b>	TO-2	<b>ZF</b>	TE-ML 03A
<b>MAN</b>	270	<b>ZF</b>	TE-ML 04A
<b>MB</b>	227.0	<b>ZF</b>	TE-ML 04B
<b>MB</b>	228.0	<b>ZF</b>	TE-ML 07D

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.890
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	103
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	11.8
Viscosity index	ASTM D2270		103
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	70
Pour point	ASTM D6892	°C	-42
Sulfated Ash	ASTM D874	Mass %	0.88
Flash Point COC	ASTM D92	°C	235

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

### CHAMPION CHEMICALS NV

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